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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Melvin et al.
Serial No. :
Filed : June 4, 2001
Title : TUMOR-SPECIFIC P450 PROTEIN
Art Unit :
Examiner :

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/043,814, filed March 25, 1998. The references listed in the attached form PTO-1449 were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 12489-003002.

Respectfully submitted,

Date: June 4, 2001

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12489-003002	Application No.
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Melvin et al.	
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,422,243	6/1995	Jalkanen et al.	435	6	
	AB						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC	43 09 344	09/29/94	DE (abstract)	A61 K	31/66		
	AD	0 375 559	06/27/90	EP	C07J	31/00		
	AE							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AF	Albin et al., "Main Drug-metabolizing Enzyme Systems in Human Breast Tumors and Peritumoral Tissues", Cancer Research 53:3541-3546, 1993
	AG	Batra et al., "Biology of Disease Oncogenes and Anti-oncogenes in Human Central Nervous System Tumors", Laboratory Investigation 71:621-637, 1994
	AH	Bhattacharyya et al., The Journal of Biological Chemistry, Vol. 270, No. 19, pp. 11595-11602
	AI	Brake et al., Proc. Annu. Meet. Am. Assoc. Cancer Res., Vol. 36, pp. A1534
	AJ	Buchmann et al., "Development of Cytochrome P-450-altered Preneoplastic and Neoplastic Lesions during Nitrosamine-induced Hepatocarcinogenesis in the Rat", Cancer Research 47:2911-2918, 1987
	AK	Buchmann et al., "Regulation and Expression of Four Cytochrome P-450 Isoenzymes, NADPH-cytochrome P450 Reductase, the Glutathione Transferases B and C...", Carcinogenesis 6:513-521, 1985
	AL	Capdevila et al., "Cytochrome P450 and the Arachidonate Cascade", FASEB J. 6:731-736, 1992
	AM	Czerwinski et al., "Quantification of CYP2B7, CYP4B1, and CYPOR Messenger RNAs in Normal Human Lung and Lung Tumors", Cancer Research 54:1085-1091, 1994
	AN	Dallman et al., "Semi-quantitative PCR for the Analysis of Gene Expression", PCR A Practical Approach eds J. McPherson, P. Quirke and G.R. Taylor (IRL Press, Oxford) pp. 215-224
	AO	Ellington et al., "In Vitro Selection of RNA Molecules that Bind Specific Ligands", Nature 346:818-822, 1990
	AP	Gonzalez et al., "Role of Human Cytochromes P450 in the Metabolic Activation of Chemical Carcinogens and Toxins", Drug Metabolism Reviews 26:165-183, 1994
	AQ	Guengerich, "Metabolic Activation of Carcinogens", Pharmac. Ther. 54:17-61, 1992
	AR	Guengerich, "Oxidation of Toxic and Carcinogenic Chemicals by Human Cytochrome P-450 Enzymes", Chemical Research in Toxicology 4:391-407, 1991

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	AS	Guengerich, "Roles of Cytochrome P-450 Enzymes in Chemical Carcinogenesis and Cancer Chemotherapy", Cancer Research 48:2946-2954, 1988
	AT	Horikoshi et al., "Quantitation of Thymidylate Synthase, Dihydrofolate Reductase, and DT-Diaphorase Gene Expression in Human Tumors Using the Polymerase Chain Reaction", Cancer Research 52:108-116, 1992
	AU	Jaiswal et al., "Human P ₄₅₀ : cDNA and Complete Amino Acid Sequence", Nucleic Acid Research 14:6773-6774, 1986
	AV	Janot et al., "Principal Xenobiotic-metabolizing Enzyme Systems in Human Head and Neck Squamous Cell Carcinoma", Carcinogenesis 14:1279-1283, 1993
	AW	Kaminsky et al., "Small Intestinal Cytochromes P450", Crit. Rev. Toxicol. 21:407-422, 1992
	AX	Kawajiri et al., "P450 and Human Cancer", Jpn. J. Cancer Research, 82:1325-1335, 1991
	AY	Kivisto et al., "The Role of Human Cytochrome P450 Enzymes in the Metabolism of Anticancer Agents: Implications for Drug Interactions", Brit. J. Clin. Pharmacol. 40:523-530, 1995
	AZ	Krontiris, "Molecular Medicine Oncogenes", The New England Journal of Medicine 333:303-306, 1995
	AAA	Le Blanc et al., "Interaction of Anticancer Drugs with Hepatic Monooxygenase Enzymes", Drug Metabolism Reviews 20:395-439, 1989
	ABB	Laemmli, "Cleavage of Structural Proteins During the Assembly of the Head of Bacteriophage T4", Nature 227:680-685, 1970
	ACC	Lowry et al., "Protein Measurement with the Folin Phenol Reagent", J. Biol. Chem. 193:265-275, 1951
	ADD	McKay et al., "Expression of Cytochrome P450 CYP1B1 in Breast Cancer", FEBS Letters 374:270-272, 1995
	AEE	McKay et al., "Localization of Microsomal Epoxide Hydrolase in Normal and Neoplastic Human Kidney", The Journal of Histochemistry and Cytochemistry 43:615-620, 1995
	AFF	Massad et al., "Comparison of Mouse and Human Colon Tumors with Regard to Phase I and Phase II Drug-Metabolizing Enzyme Systems", Cancer Research 52:6567-6575, 1992
	AGG	Mekhail Ishak et al., "Implications for Therapy of Drug-metabolizing Enzymes in Human Colon Cancer", Cancer Research 49:4866-4869, 1989
	AHH	Miller, "Molecular Biology of Steroid Hormone Synthesis", Endocrine Rev. 9:265-318, 1988
	AII	Murray et al., "Cytochrome P450 Expression is a Common Molecular Event in Soft Tissue Sarcomas", Journal of Pathology 171:49-52, 1993
	AJJ	Murray et al., "Expression of Cytochrome P450IA in Breast Cancer", Br. J. Cancer 63:1021-1023, 1991
	AKK	Murray et al., "Commentary Immunohistochemistry of Drug-Metabolizing Enzymes", Biochemical Pharmacology 50:895-903, 1995
	ALL	Nedelcheva et al., "P450 in the Rat and Man: Methods of Investigation, Substrate Specificities and Relevance to Cancer", Xenobiotica 24:1151-1175, 1994
	AMM	Nelson et al., "P450 Superfamily: Update on New Sequences, Gene Mapping, Accession Numbers and Nomenclature", Pharmacogenetics 6:1-42, 1996
	ANN	Oliw, "Oxygenation of Polyunsaturated Fatty Acids by Cytochrome P450 Monooxygenases", Prog. Lipid Res. 33:329-354, 1994

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	AOO	Otto et al., "A Novel Adrenocorticotropin-Inducible Cytochrome P450 from Rat Adrenal Microsomes Catalyzes Polycyclic Aromatic Hydrocarbon Metabolism", Endocrinology 129:970-982, 1991
	APP	Peters et al., "Expression of Drug-Metabolizing Enzymes and P-170 Glycoprotein in Colorectal Carcinoma and Normal Mucosa", Gastroenterology 103:448-455, 1992
	AQQ	Ponz de Leon, "Oncogenes and Tumor Suppressor Genes", Recent Res. Cancer Res. 136:35-47, 1994
	ARR	Roomi et al., "A Common Biochemical Pattern in Preneoplastic Hepatocyte Nodules Generated in Four Different models in the Rat", Cancer Research 45:564-571, 1985
	ASS	Schuetz et al., "Expression of Cytochrome P450 3A in Amphibian, Rat, and Human Kidney", Archives of Biochemistry and Biophysics, 294:206-214, 1992
	ATT	Schweikl et al., "Expression of CYP1A1 and CYP1A2 Genes in Human Liver", Pharmacogenetics 3:239-249, 1993
	AUU	Sesardic et al., "Differential Expression and Regulation of Members of the Cytochrome P450IA Gene Subfamily in Human Tissues", Carcinogenesis 11:1183-1188, 1990
	AVV	Spink et al., "17β-Estradiol Hydroxylation Catalyzed by Human Cytochrome P450 1A1: A Comparison of the Activities Induced by 2, 3, ..., Archives of Biochemistry and Biophysics 293:342-348, 1992
	AWW	Sutter et al., "Complete cDNA Sequence of a Human Dioxin-Inducible mRNA Identifies a New Gene Subfamily of Cytochrome P450 That Maps to Chromosome 2", The Journal of Biological Chemistry 269:13092-13099, 1994
	AXX	Taylor et al., "Cytochrome P450 1B1 Expression in Human Malignant Tumors", Biochemical Society Transactions 24:328S, 1996
	AYY	Toussaint et al., "Main Drug- and Carcinogen-metabolizing Enzyme Systems in Human Non-Small Cell Lung Cancer and Peritumoral Tissues", Cancer Research 53:4608-4612, 1993
	AZZ	Towbin et al., "Electrophoretic Transfer of Proteins from Polyacrylamide Gels to Nitrocellulose Sheets: Procedure and Some Applications", Proc. Natl. Acad. Sci. USA 76:4350-4354, 1979
	AAAA	Wang et al., "Hypoxia-inducible Factor-1 is a Basic-helix-loop-helix-PAS Heterodimer Regulated by Cellular O ₂ Tension", Proc. Natl. Acad. Sci. USA 92:5510-5514, 1995
	ABBB	Waziers et al., "Drug-metabolizing Enzyme Expression in Human Normal, Peritumoral and Tumoral Colorectal Tissue Samples", Carcinogenesis 12:905-909, 1991
	ACCC	Weaver et al., "A Comparative Study of Constitutive and Induced Alkoxyresorufin O-Dealkylation and Individual Cytochrome P450 Forms in Cynomolgus Monkey...", Biochemical Pharmacology 47:763-773, 1994
	ADDD	Whitlock et al., "Induction of Cytochrome P450IA1: A Model for Analyzing Mammalian Gene Transcription", FASEB J. 10:809-818, 1996
	AEEE	Williamson, "Aptly Named Aptamers Display Their Aptitude", Nature 382:112-113, 1996
	AFFF	Wrighton et al., "The Human Hepatic Cytochromes P450 Involved in Drug Metabolism", Critical Reviews in Toxicology 22:1-21, 1992

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